

WHAT IS CLAIMED IS:

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of:

1. A method for processing requests for a network service, comprising the steps
receiving a call from a calling party, wherein the call includes a trigger number;
determining whether or not the trigger number matches a predetermined trigger number;
5 requesting the calling party to select a first or second service, in response to the determination that the trigger number does not match the predetermined trigger number;
requesting the calling party to select a type of the first service in response to the determination that the trigger number matches the predetermined trigger number; and
determination that the trigger number matches the predetermined trigger number; and
routing the call to one of a plurality of service centers, based upon a response from the
10 calling party to the request.
2. The method of claim 1, wherein the step of requesting the calling party to select a first or second service, in response to the determination that the trigger number does not match the predetermined trigger number, further includes:
requesting the calling party to select a type of the first service in response to the calling
5 party selecting the first service; and
requesting the calling party to select a type of the second service in response to the calling
party selecting the second service.

3. The method of claim 2, wherein the routing step further includes:

routing the call to a first service center in response to the calling party selecting a first type of the first service; and

routing the call to a second service center in response to the calling party selecting one of 5 a second type of the first service, a first type of the second service and a second type of the second service.

4. The method of claim 3, wherein routing the call to a second service center further includes:

locating the second service center based upon a calling party number associated with the calling party.

5. The method of claim 3, wherein routing the call to a second service center further includes:

locating the second service center based upon a state from which the calling party initiates the call.

6. The method of claim 5, wherein the calling party is associated with a calling party number, and wherein locating the second service center further includes:

comparing the calling party number with a number plan area table to determine the state from which the calling party initiates the call.

7. The method of claim 1, further including:

collecting status information associated with the call; and

storing said status information in a status log.

8. The method of claim 7, wherein the status information includes information associated with the service selected by the calling party, the type of service selected by the calling party, the service center to which the call was routed and abandoned calls.

9. The method of claim 7, further including:

utilizing the collected status information to determine where the service center subsequent calls are to be routed.

10. The method of claim 3, wherein when the first service center is associated with a first auxiliary service center, the method further including the steps of:

detecting an error condition associated with routing the call to the first service center; and rerouting the call to the first auxiliary service center.

11. The method of claim 10, wherein the first auxiliary service center is the second service center.

12. The method of claim 10, wherein when the second service center is associated with a second auxiliary second service center, the method further including the steps of:
detecting an error condition associated with routing the call to the second service center;
and
5 rerouting the call to the second auxiliary service center.

13. The method of claim 12, wherein the second auxiliary service center is the first service center.

14. The method of claim 1, wherein the first service is ADSL service and the second service is ISDN service.

15. The method of claim 14, wherein the type of the first service is one of residential or business ADSL service.

16. The method of claim 2, wherein the first service is ADSL service and the second service is ISDN service and wherein the type of the first service is one of residential and business ADSL service, and the type of the second service is one of residential and business ISDN service.

17. A system for processing requests for network services, comprising:

- a calling party node connected to a network;
- a switching node connected to the network for receiving a service request call including a trigger number, from the calling party node through the network;
- 5 a switching control node connected to the switching node for determining a service center to which the call is to be routed, based on the trigger number and service query responses from the calling party;
- a first service center connected to the switching node for processing call requests for a first service; and

10 a plurality of second service centers connected to the network for processing call requests for a second service.

18. The system of claim 17, wherein the switching control node determines whether or not the trigger number matches a predetermined trigger number, and wherein the service query responses are received in response to the switching node requesting the calling party node to select a first or second service in response to the determination that the trigger number does not 5 match a predetermined trigger number.

19. The system of claim 17, wherein the switching control node determines whether or not the trigger number matches a predetermined trigger number and wherein the query responses are received in response to the switching node requesting the calling party node to

select a type of the first service in response to the determination that the trigger number does
5 match a predetermined trigger number.

SJ 20. The system of claim 18, wherein the switching control node instructs the switching node to request the calling party node to select a type of the first service in response to the calling party node selecting the first service and requests the calling party node to select a type of the second service in response to the calling party node selecting the second service.

21. The system of claim 20, wherein the switching control node instructs the switching node to route the call to the first service center in response to the calling party node selecting a first type of the first service.

22. The system of claim 20, wherein the switching control node instructs the switching node to route the call to one of the plurality of second service centers in response to the calling party node selecting one of a second type of the first service, a first type of the second service and a second type of the second service.

23. The system of claim 22, wherein the switching control node includes a memory device that contains a number plan area table and wherein the switching control node determines the one of the plurality of second service centers by comparing a calling party number associated with the calling party node, with information contained in the number plan area table.

24. The system of claim 23, wherein the switching control node determines a state from which the calling party node is located based upon the comparing of the calling party number with the information contained in the number plan area table.

25. The system of claim 21, further including:
a first auxiliary service center for receiving the call routed to the first service center when the switching control node detects an error in routing the call to the first service center.

26. The system of claim 22, further including:
a second auxiliary service center for receiving the call routed to the one of the plurality of second service centers when the switching control node detects an error in routing the call to the one of the plurality of second service centers.

27. The system of claim 17, further including:
a test call generator connected to the network for generating test calls including a test trigger number directed to the switching node, wherein the test call generator verifies whether the switching control node receives the test call.

28. The system of claim 17, wherein the switching control node includes a service logic program, the system further comprising:
a test call generator connected to the network for generating test calls to verify that the

switching control node activates the service logic program in response to the switching node
5 receiving the test calls, wherein the service logic program performs the functions of determining
a service center to which the call is to be routed to based on the trigger number and service query
responses from the calling party.

29. The system of claim 18, wherein the first service is ADSL service and the second service is ISDN service.

30. The system of claim 20, wherein the type of the first service is one of residential and business ADSL service and wherein the type of the second service is one of residential and business ISDN service.

31. A computer-readable medium containing a program for causing a processor to perform a method for processing requests for a network service, the method comprising the steps of:

receiving a call from a calling party, wherein the call includes a trigger number;
5 determining whether or not the trigger number matches a predetermined trigger number;
requesting the calling party to select a first or second service, in response to the determination that the trigger number does not match the predetermined trigger number;
requesting the calling party to select a type of the first service in response to the determination that the trigger number matches the predetermined trigger number; and

10 routing the call to one of a plurality of service centers, based upon a response from the calling party to the request.

32. The computer-readable medium of claim 31, wherein the step of requesting the calling party to select a first or second service, in response to the determination that the trigger number does not match the predetermined number, further includes:

requesting the calling party to select a type of the first service in response to the calling
5 party selecting the first service; and

requesting the calling party to select a type of the second service in response to the calling party selecting the second service.

33. The computer-readable medium of claim 32, wherein the routing step further includes:

routing the call to a first service center in response to the calling party selecting a first type of the first service; and

5 routing the call to a second service center in response to the calling party selecting one of
a second type of the first service, a first type of the second service and a second type of the
second service.

34. The computer-readable medium of claim 33, wherein routing the call to a second service center further includes:

locating the second service center based upon a calling party number associated with the calling party.

35. The computer-readable medium of claim 33, wherein routing the call to a second service center further includes:

locating the second service center based upon a state from which the calling party initiates the call.

36. The computer-readable medium of claim 35, wherein the calling party is associated with a calling party number, and wherein locating the second service center further includes:

comparing the calling party number with a number plan area table to determine the state 5 from which the calling party initiates the call.

37. The computer-readable medium of claim 31, wherein the method further includes the steps of:

collecting status information associated with the call; and
storing said status information in a status log.

38. The computer-readable medium of claim 37, wherein the status information includes information associated with the service selected by the calling party, the type of service

selected by the calling party, the service center to which the call was routed and abandoned calls.

39. The computer-readable medium of claim 37, wherein the method further includes the steps of:

utilizing the collected status information to determine where the service center subsequent calls are to be routed.

40. The computer-readable medium of claim 33, wherein the first service center is associated with a first auxiliary service center, the method further including the steps of:

detecting a error condition associated with routing the call to the first service center; and
rerouting the call to the first auxiliary service center.

41. The computer-readable medium of claim 40, wherein the first auxiliary service center is the second service center.

42. The computer-readable medium of claim 40, wherein the second service center is associated with a second auxiliary second service center, the method further includes the steps of:

detecting an error condition associated with routing the call to the second service center;
and
5 rerouting the call to the second auxiliary service center.

43. The computer-readable medium of claim 42, wherein the second auxiliary service center is the first service center.

44. The computer-readable medium of claim 31, wherein the first service is ADSL service and the second service is ISDN service.

45. The computer-readable medium of claim 44, wherein the type of the first service is one of residential or business ADSL service.

46. The computer-readable medium of claim 32, wherein the first service is ADSL service and the second service is ISDN service and wherein the type of the first service is one of residential and business ADSL service, and the type of the second service is one of residential and business ISDN service.

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